

149311

Page 1

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 7/22/2016 **Start Qty:** 1.00 ***1***

Cust Item ID:

Required Date: 8/5/2016 Req'd Qty: 1.00 * 1 *

Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date:
QC: Date: SPC (Y/N): Date:

Run Start *NR1*

Stop *NR2*

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : _____		

Work Order ID 149311

Friday, July 22, 2016 11:01:54 AM

149311

Page 2

Item ID: 646.4002

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: AS350 Wiper Deflector

Start Date: 7/22/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 8/5/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00				DAS 27 9-89	DAS 28 9-89		JUL 29 2016
Packaging	Identify and pack for shipping as per PPP 646.4002 Location : FG102								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00					DAS 21 9-89		AUG 03 2016
Quality Control									

SA 7/28/16

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Friday, July 22, 2016 11:01:53 AM

Page 1

Work Order ID: 149311

149311

Parent Item: 646.4002

646 4002

Parent Item Name: AS350 Wiper Deflector

Start Date: 7/22/2016

Required Date: 8/5/2016

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP REV:A 12.12.23 NEW ISSUE DD VERF:JLM
16.01.07 DWG REV.C DD VERF:JLM

IPP REV:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3410 *646 3410* LH Wiper Deflector		Manufactured	No				Each	29.0000	**	1			PC DAS 27 9-89
	DAS 28 9-89			<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				cck010				29					
				125083				15					
				<u>97822</u>				14		1			
646.3411 *646 3411* RH Wiper Deflector		Manufactured	No				Each	27.0000	**	1			PC DAS 27 9-89
	DAS 28 9-89			<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				cck010				27					
				125083				10					
				<u>97823</u>				17		1			
NAS1149F0332P *NAS1149F0332P* Washer		Purchased	No				Each	2,579.000	**	16			PC DAS 27 9-89
	DAS 28 9-89			<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				GA				282					
				m133709				282					
				ST262				2297					
				m134257				37					
				<u>m134676</u>				260		16			
				m135058				2000					

JUL 22 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

Picklist Print

Friday, July 22, 2016 11:01:53 AM

Page 2

Work Order ID: 149311

149311

Parent Item: 646.4002

646 4002

Parent Item Name: AS350 Wiper Deflector

Start Date: 7/22/2016

Required Date: 8/5/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

Each

2,313.000

6

MS21042L3

Nut

**

PC DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

CCK007

600

m135056

600

FP001

14

m133790

14

GA

571

m134360

112

m135135

459

OVER007

700

m135135

700

ST303

428

m134039

12

m134943

416

6

MS27039-1-19

Purchased

No

Each

221.0000

2

MS27039-1-19

Screw

**

PC DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

GA

82

m134134

82

ST280

139

m135058

139

2

JUL 22 2016

JUL 22 2016

Friday, July 22, 2016 11:01:54 AM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Friday, July 22, 2016 11:01:54 AM

Page 3

Work Order ID: 149311

149311

Parent Item: 646.4002

646 4002

Parent Item Name: AS350 Wiper Deflector

Start Date: 7/22/2016

Required Date: 8/5/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-18

Purchased

No

Each

1,782.000

2

MS27039-1-18

Screw

**

PK DAS 27 9-89

Location

Loc Qty

Loc Code

GA

247

123522

51

124326

196

over006

1373

124326

1373

ST280

162

124326

162

646.3814

Manufactured

No

Each

22.0000

2

646 3814

Wiper Bracket

**

PK DAS 27 9-89

Location

Loc Qty

Loc Code

CCK106

22

125083

22

Each

15.0000

1

600.1012

Purchased

No

600 1012

Sealant PR1425B2 (#654 sem)

**

PK DAS 27 9-89

Location

Loc Qty

Loc Code

cck017

15

m134634

7

m135135

8

Each

284.0000

2

MS24694-S53

Purchased

No

MS24694-S53

SCREW

**

JUL 22 2016

PK DAS 27 9-89

Location

Loc Qty

Loc Code

ST284

284

113359

284

Friday, July 22, 2016 11:01:54 AM

Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER :			
Misidentified ☐		Past Due ☐					

REFERENCE ONLY

DAS
28
9-89

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES, DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

NOTES:

1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILET EDGES.

2 INSTALL F/N 14 WITH F/N 52 & 53.

3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMASTER-CARR P/N 75935A651.

4 3M TAPE PRIMER 94. APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.

5 REUSE FASTENERS FROM F/N 1.

6 USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8 INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.

9 NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

UNINCORPORATED ECN(s)

05304

5	5	5	78	601.3875	SCREW	
1	1	1	77	646.9410	SHIM	
	4	4	76	601.2764	WASHER	
	2	2	75	601.2973	LOCKNUT	
	2	2	74	601.2988	SCREW	
	2	2	73	601.2943	LOCKNUT	
	2	2	72	601.3128	NUT	
	2	2	71	601.3209	LOCKNUT	
	4	4	70	601.2638	WASHER	
	2	2	69	601.2669	BOLT	
	2	2	68	601.3119	CLEVIS	
	2	2	67	601.3121	EYE BOLT	
	2	2	66	650.9201	EYE BRACKET ASSY	
REF	REF	REF	65	647.5701	GPS MOUNT KIT	
		2	64	601.3151	WASHER	
		2	63	601.2911	SCREW	
	24	24	62	601.2637	SCREW	
2	2	2	61	601.2763	BOLT	
	1	1	60	646.3913	SHIM	
	4	4	59	646.3912	SHIM	
	1	1	58	646.3911	SHIM	
	4	4	57	646.3910	SHIM	
	5	5	56	600.1013	PRIMER	
	8 FT	8 FT	55	600.0129	VHB TAPE	
	1	1	54	600.1012	SEALANT	
	1	1	53	600.0991	MAGHOBOND 639B PART B	
	1	1	52	600.0990	MAGHOBOND 639B PART A	
6	10	10	51	601.2826	BOLT	
		2	50	646.3814	WIPER BRACKET	
		2	49	601.2910	SCREW	
		2	48	601.1365	SCREW	
		2	47	646.3719	DOUBLER	
		2	46	646.3718	CUSTOM WASHER	
	1		45	646.3717	DOUBLER	
	22	2	44	601.1948	SCREW	
		2	43	601.1952	SCREW	
	4	4	42	601.1956	SCREW	
4006	4003	4004	4003	4002	4001	FIND #
5	5	5	78	601.3875	SCREW	
1	1	1	77	646.9410	SHIM	
	4	4	76	601.2764	WASHER	
	2	2	75	601.2973	LOCKNUT	
	2	2	74	601.2988	SCREW	
	2	2	73	601.2943	LOCKNUT	
	2	2	72	601.3128	NUT	
	2	2	71	601.3209	LOCKNUT	
	4	4	70	601.2638	WASHER	
	2	2	69	601.2669	BOLT	
	2	2	68	601.3119	CLEVIS	
	2	2	67	601.3121	EYE BOLT	
	2	2	66	650.9201	EYE BRACKET ASSY	
REF	REF	REF	65	647.5701	GPS MOUNT KIT	
		2	64	601.3151	WASHER	
		2	63	601.2911	SCREW	
	24	24	62	601.2637	SCREW	
2	2	2	61	601.2763	BOLT	
	1	1	60	646.3913	SHIM	
	4	4	59	646.3912	SHIM	
	1	1	58	646.3911	SHIM	
	4	4	57	646.3910	SHIM	
	5	5	56	600.1013	PRIMER	
	8 FT	8 FT	55	600.0129	VHB TAPE	
	1	1	54	600.1012	SEALANT	
	1	1	53	600.0991	MAGHOBOND 639B PART B	
	1	1	52	600.0990	MAGHOBOND 639B PART A	
6	10	10	51	601.2826	BOLT	
		2	50	646.3814	WIPER BRACKET	
		2	49	601.2910	SCREW	
		2	48	601.1365	SCREW	
		2	47	646.3719	DOUBLER	
		2	46	646.3718	CUSTOM WASHER	
	1		45	646.3717	DOUBLER	
	22	2	44	601.1948	SCREW	
		2	43	601.1952	SCREW	
	4	4	42	601.1956	SCREW	
4006	4003	4004	4003	4002	4001	FIND #
5	5	5	78	601.3875	SCREW	
1	1	1	77	646.9410	SHIM	
	4	4	76	601.2764	WASHER	
	2	2	75	601.2973	LOCKNUT	
	2	2	74	601.2988	SCREW	
	2	2	73	601.2943	LOCKNUT	
	2	2	72	601.3128	NUT	
	2	2	71	601.3209	LOCKNUT	
	4	4	70	601.2638	WASHER	
	2	2	69	601.2669	BOLT	
	2	2	68	601.3119	CLEVIS	
	2	2	67	601.3121	EYE BOLT	
	2	2	66	650.9201	EYE BRACKET ASSY	
REF	REF	REF	65	647.5701	GPS MOUNT KIT	
		2	64	601.3151	WASHER	
		2	63	601.2911	SCREW	
	24	24	62	601.2637	SCREW	
2	2	2	61	601.2763	BOLT	
	1	1	60	646.3913	SHIM	
	4	4	59	646.3912	SHIM	
	1	1	58	646.3911	SHIM	
	4	4	57	646.3910	SHIM	
	5	5	56	600.1013	PRIMER	
	8 FT	8 FT	55	600.0129	VHB TAPE	
	1	1	54	600.1012	SEALANT	
	1	1	53	600.0991	MAGHOBOND 639B PART B	
	1	1	52	600.0990	MAGHOBOND 639B PART A	
6	10	10	51	601.2826	BOLT	
		2	50	646.3814	WIPER BRACKET	
		2	49	601.2910	SCREW	
		2	48	601.1365	SCREW	
		2	47	646.3719	DOUBLER	
		2	46	646.3718	CUSTOM WASHER	
	1		45	646.3717	DOUBLER	
	22	2	44	601.1948	SCREW	
		2	43	601.1952	SCREW	
	4	4	42	601.1956	SCREW	

REV.	DESCRIPTION	DATE	APPROVED
A	MODIFIED ECN 021119 0201 0210 & 0210	02/04/2010	P. BRAYO
B	MODIFIED ECN 0204 0207 & 0401	11/04/2014	P. BRAYO
C	MODIFIED ECN 0205	06/05/2015	P. BRAYO

			2		2		41	601.2829	SCREW	MS2469-455A		
			2		2		40	601.2831	RIVET	MS2047AD5-7		
			1		1		39	646.3716	GAUGE BRACKET			
			6		6		38	601.1953	SCREW	MS27039-1-12		
		2		2	2		37	646.3715	STRUT DOUBLER			
		2		2	2		36	601.2824	BOLT	AN3-5A		
12		36			36		35	601.2277	RIVET	MS2047AD5-6		
6		18			18		34	600.0795	NUPLATE	MS21047-5		
3		3			3		33	601.2565	RIVET	MS2047AD5-7		
1		1			1		32	646.3813	STRUT BRACKET			
4		4			4		31	601.2822	BOLT	AN3-3A		
2		2			2		30	646.3812	GUSSET BRACKET			
8		8			8		29	601.2564	RIVET	MS2047AD5-6		
1		1			1		28	646.3714	GUSSET			
		1		1	1		27	646.3610	FILLER			
		3		3	3		26	601.2830	SCREW	MS2469-455S		
		2		2	2		25	601.2825	BOLT	AN3-6A		
		1		1	1		24	646.3811	RADIUS BLOCK			
		1		1	1		23	646.3712	CLIP			
		1		1	1		22	646.3711	CLIP			
8		8			8		21	601.2832	RIVET	MS2047AD5-6		
14		14			14		20	601.2020	RIVET	CR3215-3-3		
4		6		4	6		19	601.2823	BOLT	AN3-4A		
		1		1	1		18	601.2827	BOLT	AN3-13A		
		5		5	5		17	601.2912	SCREW	MS2469-4551		
1		1			1		16	646.3713	GUSSET			
1		1			1		15	646.3210	SUPPORT			
		1			1		14	646.3710	DOUBLER			
		1		1	1		13	646.3110	CHANNEL			
14		10		8	53		6	61	12	601.1624	LOCKNUT	MS21042-3
16		32		18	120		16	144	11	601.1607	WASHER	MS21042-3
							10	646.3410	LH WIPER DEFLECTOR			
							9	646.3411	RH WIPER DEFLECTOR			
							8	647.7703	STRUT ASSY			
							7	647.0112	STRUT BRACKET			
							6	646.3511	STRUT			
							5	646.3510	STRUT			
2				2			4	646.3810	BRACKET			
							3	646.2910	DEFLECTOR			
				1			2	646.3001	LOWER CUTTER ASSY			
							1	646.3301	UPPER CUTTER ASSY			
X								646.4006	LOWER CUTTER FIXED PROVISIONS			
		X						646.4005	LOWER CUTTER REMOVABLE PROVISIONS			
			X					646.4004	FIXED PROVISIONS KIT			
				X				646.4003	CABLE CUTTERS FOR WIPER/FIXED PROVISIONS			
					X			646.4002	A3350 WIPER DEFLECTOR KIT			
						X		646.4001	A3350 CABLE CUTTERS KIT			
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.		

QTY		NEXT ASSY (S)		ORIGINAL DATE (MO-DAY-YR)	08-22-08	DART AEROSPACE APICAL INDUSTRIES, INC. DBA DART AEROSPACE		3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760) 724-5500
REV. 1		REV. 1		DESIGNED BY	08-22-08	A3350 CABLE CUTTERS KIT		
REV. 2		REV. 2		DRAWING APPROVAL	08-22-08	A3350 CABLE CUTTERS KIT		
REV. 3		REV. 3		CONTRACT NO.		A3350 CABLE CUTTERS KIT		
REV. 4		REV. 4		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DIMENSIONS ARE IN MILLIMETERS DIMENSIONS ARE IN MILLIMETERS DIMENSIONS ARE IN MILLIMETERS		A3350 CABLE CUTTERS KIT		
REV. 5		REV. 5		SCALE	NONE	A3350 CABLE CUTTERS KIT		
REV. 6		REV. 6		SCALE	NONE	A3350 CABLE CUTTERS KIT		
REV. 7		REV. 7		SCALE	NONE	A3350 CABLE CUTTERS KIT		
REV. 8		REV. 8		SCALE	NONE	A3350 CABLE CUTTERS KIT		